## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re App	ication of:	
	Robert S. Beach	
Application	n No.: 09/827,278	)
Filed:	April 4, 2001	) 
AN	IN VALVE SENSOR WITH TIFERROMAGNETIC LAY O PINNED LAYERS	· ·· · /

Assistant Commissioner for Patents Box Missing Parts Washington, D.C. 20231

RESPONSE TO NOTICE T	O FILE MISSING	<b>PARTS OF</b>	<b>APPLICATION</b>
(FIL	ING DATE GRAN	TED)	

Sir:

In response to the Notice to File Missing parts of Application (Filing Date Granted) mailed May 18, 2001, please find enclosed:

- (1) a duly executed Declaration and Power of Attorney with respect to the above-referenced patent application;
- (2) a check in the amount of \$130.00 in payment of the surcharge of 37 C.F.R. § 1.16(e);
  - (3) a copy of the Notice to File Missing Parts of Application;

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mall with sufficient postage in an envelope addressed to the Assistant Commissioner for Patenta, Washington, D.C. 20231

Date of Deposit

Name of Person Mailing Correspondence

Carle Channer 7-12-01

Signature Date

(LJV/cak 10/22/96)

If any additional fee is required, please charge Deposit Account No. 02-2666. A duplicate of this Response is enclosed for deposit account charging purposes.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 7/12/01

Robert B. O'Rourke Reg. No. 46,972

12400 Wilshire Blvd. Seventh Floor Los Angeles, CA 90025-1026 (408) 720-8300

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		Robert S. Beach	) ) )
Applic	ation No.:	09/827,278	) ) )
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Date of Deposit

Janece Snawnon

Name of Person Mailing Correspondence

July 12, 2001

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Robert B. O'Rourke Reg. No. 46,972

12400 Wilshire Blvd. Seventh Floor Los Angeles, CA 90025-1026 (408) 720-8300

#### DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION DOCKET: SJ0919990038US2-003594.P023X

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

# SPIN VALVE SENSOR WITH AN ANTIFERROMAGNETIC LAYER BETWEEN TWO PINNED LAYERS

the specification of which	n (check one)			
is attached hereto.				
X was filed on 04/0	4/2001			
as Application Serial				
and was amended on		(if applicable).		
I hereby state that I hav including the claims, as		and the contents of the aborant referred to above.	ve identifie	ed specification,
I acknowledge the duty to 37, Code of Federal Regul		which is material to patent	ability as d	defined in Title
Section 365(b) of any for any PCT International app listed below and have als	eign application(s) fo lication which designa o identified below any ational application ha	Title 35, United States Code patent or inventor's certaited at least one country of foreign application for particular a filing date before the	ificate, or her than the tent or inve	Section 365(a) of United States, entor's
Prior Foreign Application	(s)		Priority C	laimed
None			Yes	No
(Number)	(Country)	(Day/Month/Year Filed)		
application(s) or Section listed below and, insofar disclosed in the prior Un first paragraph of Title information which is mate	365(c) of any PCT Int as the subject matter ited States or PCT Int 35, United States Code rial to patentability red between the filing	ed States Code, Section 120 ernational application design of each of the claims of the ernational application in the section 112, I acknowledge as defined in Title 37, Code date of the prior application.	gnating the his applicat he manner pr e the duty t e of Federal	United States, tion is not covided by the to disclose Regulations,
		Pending (Status) (patented, pend	ding, abandc	oned)
I hereby declare that all	statements made herei	n of my own knowledge are ti	rue and that	all statements

made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

DOCKET: SJ0919990038US2-003594.P023X

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Abdy Raissinia (#38,686)

Paik Saber (#37,494)

Christopher A. Hughes (#26,914)

John E. Hoel (#26,279)

Robert B. Martin (#26,945)

William D. Gill (#44,124)

Douglas R. Millett (#31,784)
Edward A. Pennington (#32,588)
Joseph C. Redmond, Jr. (#18,753)
Randall J. Bluestone (#40,518)

Send correspondence to:

Robert B. O'Rourke, Esq.

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

12400 Wilshire Boulevard

Seventh Floor

Los Angeles, California 90025-1026

Direct Telephone Calls to:

Robert B. O'Rourke

(408) 720-8300

Full name of sole or first joint-inventor: Robert S. Beach

Inventor's signature/

Date:

7-11-01

Residence:

Los Gatos, California

Citizenship: U.S.A.

Post Office Address: 16173 Roseleaf Lane

Los Gatos, California 95032



## United States Patent and Trademark Office

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APPLICATION NUMBER

FILING/RECEIPT DATE

FIRST NAMED APPLICANT

ATTORNEY DOCKET NUMBER

09/827,278

04/04/2001

Robert S. Beach

003594.P023X

**CONFIRMATION NO. 6618** 

**FORMALITIES LETTER** 

\*OC000000000091878\*

Robert B. O'Rourke BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP Seventh Floor 12400 Wilshire Boulevard Los Angeles, CA 90025-1026

Date Mailed: 05/18/2001

#### NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

#### Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

A copy of this notice <u>MUST</u> be returned with the reply.

**Customer Service Center** 

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

	April 4, 2001
Serial/Patent No.: 09/827,278	Filing/Issue Date: April 4, 2001
Serial/Patent No.: Storage Systems Divi	SION ANTIFERROMAGNETIC LAYER BETWEEN
CHEM. COIN VALVE SENSOR WITH AN	ANTIFERROMAGNETIC DATER DESCRIPTION
Title: SPIN VALVE SENSOR WITH TWO PINNED LAYERS	IDU/ROR/is
BSTZ File No.: 03594P023X	Atty/Secty Initials: JPW/ROR/js Tuly 18, 2001
Date Mailed: July 12, 2001	
Date Mailed: July 123 200 in the U.S. Pate	Docke! Jue Date:
The following has been received in the	Express Mai lo.: Amt 130.00
Amendment/Response ( pgs.)	fonth(s) Extension of 1 ime
Appeal Brief ( pgs.) (in triplicate)	hformation Disclosure Statement & PTO 149 (pgs.) Li Check No
Application - Utility ( pgs., with cover and abstract)	Issue Fee Transmittal
Application - Rule 1.53(b) Continuation (pgs.)	☐ Notice of Appeal
Application - Rule 1.53(b) Divisional ( pgs.)	Petition for Extension of Time
Application - Rule 1.53(b) CIP (pgs.)	Petition for
Application - Rule 1.53(d) CPA Transmittal ( pgs.)	Postcard
Application - Design ( pgs.)	Power of Attorney ( pgs.)
Application - PCT ( pgs.)	Preliminary Amendment ( pgs.)
Application - Provisional ( pgs.)	
Assignment and Cover Sheet	Reply Brief (pgs.)  Response to Notice of Missing Parts (In duplicate)  Response to Notice of Missing Parts (In duplicate)
Certificate of Mailing	Small Entity Declaration for Indep. Inventor/Small Business
Certificate of Mailing  Declaration & POA (2 pgs.) (Executed)	☐ Transmittal Letter, in duplicate
Disclosure Does & Oig & Copy of Inventors September 1	Fee Transmittal, in duplicate
Drawings:# of sheets includes figures	
Nation To File Missing	Parts (Filing Date Granted).
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TO THE COURSE OF SEC.

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July 12, 2001

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Patent & Trademark Office Washington, DC 20231-0001

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130.00 Storage Systems Division Amount: 07/12/2001 - IBM. 3594.P023X Invoice: ROR/js

Missing Parts

"Spin Valve Sensor With An Antiferromagnetic Layer etween Two Pinned Layers" Title:

09/827,278 S. Beach Inventor: Robert Application No.:

April 4, 2001 iled:

# FIRST CLASS CERTIFICATE OF MAILING

	Date of	Deposit
		annon
^	Name of Person Mail	ng Correspondence
()	222 M	
Jan	el Thannon	
//	Signature	Date
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Seri	al/Patent No. 09/827.278	Fig. 6 April 4 2001
Clie Title BST Date	al/Patent No.: 09/827,278  nt: IBM, Storage Systems D:  SPIN VALVE SENSOR WITH  TWO PINNED LAYERS  Z File No.: 03594P023X  Mailed: July 12, 2001	AN ANTIFERROMAGNETIC LAYER BETWEEN  Atty/Secty Initials: JPW/ROR/js  Docket Due Date: July 18 2001
Clie Title BST Date The	nt: IBM, Storage Systems D: SPIN VALVE SENSOR WITH TWO PINNED LAYERS Z File No.: 03594P023X Mailed: July 12, 2001 following has been received in the U.S.	Atty/Secty Initials: JPW/ROR/js Docket Due Date: July 18, 2001 Patent & Trademark Office on the date stamped hereon:
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